

We Claim:

Sub 1. A module for controlling a drive, the module comprising:

a terminal for connecting to a control system for operating tasks and a control system for safety tasks, commands from the control system for safety tasks having priority over commands from the control system for operating tasks;

a microprocessor for processing the commands from both the control system for operating tasks and the control system for safety tasks, said microprocessor coupled to said terminal;

a logic circuit for prioritizing the commands from the control system for safety tasks, said logic circuit connected to said microprocessor;

at least one output coupled to at least one of said microprocessor and said logic circuit;

an interface for connecting to one of the control system for operating tasks and a diagnostic device, said interface connected to said microprocessor; and

a memory for storing the commands and replies, said memory connected to said microprocessor.

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2. The module according to claim 1, wherein said microprocessor has a timing circuit.

3. The module according to claim 1, wherein said logic circuit has a fixed-programmed priority function for the commands from the control system for safety tasks.

4. The module according to claim 1, including at least one electronic protection device protecting against a short circuit of and connected to said output.

5. The module according to claim 1, including coding plugs disposed on a side of the module which is accessible in an installed state.

6. The module according to claim 1, wherein the drive is used in an installation that can endanger public safety.

7. A control device for an installation, comprising:

two manual control stations being separate from one another;

a control system for operating tasks;

a control system for safety tasks; and

a module connected to each of said two manual control stations, said module including:

Q a terminal connected to said control system for operating tasks and said control system for safety tasks, commands from said control system for safety tasks having priority over commands from said control system for operating tasks;

a microprocessor for processing the commands from both said control system for operating tasks and said control system for safety tasks, said microprocessor coupled to said terminal;

a logic circuit for prioritizing the commands from said control system for safety tasks, said logic circuit connected to said microprocessor;

at least one output coupled to at least one of said microprocessor and said logic circuit;

an interface connected to one of said control system for operating tasks and a diagnostic device, said interface connected to said microprocessor; and

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a memory for storing the commands and replies, said memory connected to said microprocessor.

8. A control method, which comprises:

providing a control device having two manual control stations being separate from one another, and a module connected to each of the two manual control stations, the module containing:

a terminal for connecting to a control system for operating tasks and a control system for safety tasks, commands from the control system for safety tasks having priority over commands from the control system for operating tasks;

a microprocessor for processing the commands from both the control system for operating tasks and the control system for safety tasks, the microprocessor connected to the terminal;

a logic circuit for prioritizing the commands from the control system for safety tasks, the logic circuit connected to the microprocessor;

at least one output coupled to at least one of the microprocessor and the logic circuit;

an interface for connecting to one of the control system for operating tasks and a diagnostic device, the interface connected to the microprocessor; and

a memory for storing the commands and replies, the memory connected to the microprocessor; and

indicating a state of the drive in both of the two manual control stations.

9. The method according to claim 8, which comprises using the diagnostic device for reading out software required for operating the module.

10. The method according to claim 9, which comprises connecting the diagnostic device to a bus connected to the module.

11. The method according to claim 9, which comprises connecting the diagnostic device to the interface of the module.